

Source:
Aerial Imagery: ESRI 2013
Infrastructure: BTV 2013, Revisions by WCA 2013
College St. Watershed Delineation: WCA 2013
Subwatershed Delineation: WCA 2013



College and Pine Street Stormwater Improvements - Burlington, VT

Scale: 1"=10'
September 2013





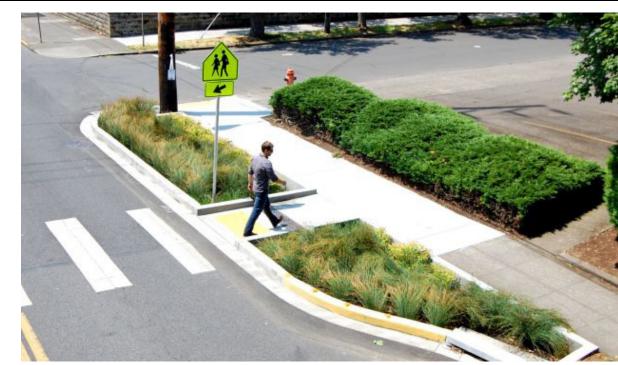
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- A series of stormwater curb extension captures stormwater from College Street. Depending on if there are mature street present, the stormwater landscape expands into the sidewalk furnishing zone.
- Pine Street parking zone on the east side is converted from parallel parking to diagonal parking
- A stormwater curb extension captures stormwater runoff from Pine Street. Access to existing bank is closed to allow for improvements.
- A stormwater curb extension captures stormwater overflow wrapping around College Street during high-intensity rainfall events.
- A pair of stormwater curb extensions captures runoff from the College Street/Pine Street intersection
- Specialty paving at pedestrian crossings.

- College Street maintains two 10' travel lanes
- Pine Street maintains two 10' travel lanes.
- Existing access to bank is retained.







Stormwater curb extensions with parallel parking



Bank and Pine Street Stormwater Improvements - Burlington, VT

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Urban Rain Design

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- Where there are no mature street trees, three stormwater planters are inserted within the existing landscape strip to capture low-flow runoff from Bank Street. On-street parking is retained.
- A 3'-wide pedestrian egress zone allows people to exit and enter their vehicles within conflict with stormwater planters.
- 5'-wide carriage pathways allow for pedestrian access from the sidewalk to parking zone. These pathways can be in boardwalk form to allow stormwater to flow continuously from planter to planter.
- A stormwater curb extension captures stormwater during high-intensity rainfall events.
- A 2-wide green gutter captures stormwater from the southern half of bank street. The green gutter system would traverse the entire length of bank street except at driveway entrances.
- Existing landscape area is to remain.

- New landscape areas, but not designed for stormwater
- A stormwater curb extension captures runoff at the lowpoint of the Bank Street/Pine Street intersection.
- Bank Street still maintains two 10' wide travel lanes.







Stormwater planters with on-street parking

Green gutter system